

REPLACEMENT SHEET



SEQUENCE LISTING

<110> Eul, Joachim

<120> A method for the repair of mutated RNA from genetically defective DNA and for the specific destruction of tumor cells by RNA trans-splicing, and a method for the detection of naturally trans-spliced cellular RNA

<130> 7700-X04-013

<140> US 10/777,492

<141> 2004-02-12

<150> PCT/EP02/09082

<151> 2002-08-13

<160> 11

<170> PatentIn version 3.3

<210> 1

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 1
aaccggccaa ccggccaatt tttttttttt ttt 33

<210> 2

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2
agaagaacgg aagaacaa 18

<210> 3

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 3
ggttggaagg ttggaagggg gg 22

<210> 4

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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<400> 4
ggttggaagg ttggaag 17

<210> 5
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 5
agaagaacgg aagaacaa 18

<210> 6
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 6
aaccttccaa ccggccaa 18

<210> 7
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 7
ggttggaagg ttggaag 17

<210> 8
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 8
cttgttcttc cgttcttct 19

<210> 9
<211> 8
<212> RNA
<213> Artificial Sequence

<220>
<223> Position 2 R, Position 3 Y, Position 5 R, Position 7 Y, Position 8 R,
Description of the Artificial Sequence: Branch site of 3' splice site (consensus sequence)

<400> 9
uacuaaca 8

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<210> 10
<211> 6
<212> RNA
<213> Artificial Sequence

<220>
<223> Position 3 R, Position 4 R,
Description of the Artificial Sequence: Intronic half of 5'
Splice site (consensus sequence)

<400> 10
guaagu 6

<210> 11
<211> 3
<212> RNA
<213> Artificial Sequence

<220>
<223> Position 1 R, Position 2 R,
Description of the Artificial Sequence: Exonic half of 5' splice
site (consensus sequence)

<400> 11
aag 3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/777,492

DATE: 10/31/2005
TIME: 11:24:56

Input Set : D:\Sequence Listing.txt
Output Set: N:\CRF4\10312005\J777492.raw



67 gggtggaagg ttggaag 17
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 18
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
78 <400> SEQUENCE: 5
79 agaagaacgg aagaacaa 18
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 18
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
90 <400> SEQUENCE: 6
91 aaccttccaa cggccaa 18
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 17
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
102 <400> SEQUENCE: 7
103 gggtggaagg ttggaag 17
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 19
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
114 <400> SEQUENCE: 8
115 cttgtcttc cgttcttc 19
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 8
120 <212> TYPE: RNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Position 2 A/G, Position 3 C/U, Position 5 A/G, Position 7
125 Position 8 A/G, use "r"
126 Description of the Artificial Sequence (3' Splice site) give source of genetic material:
128 <400> SEQUENCE: 9
129 uacuaaca 8
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 6
134 <212> TYPE: RNA
135 <213> ORGANISM: Artificial Sequence use "r"
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Position 3 A/G, Position 4 A/G, use "r"

U.

"a" can only represent itself. Per sequence rules

"R" is right

use "r": "Y" is right

use "y"

use "r" is right

use "y"

"Y" is right

8

(see item 11 on Enr summary sheet)

"R" is right

"R" is right

() branch site of*

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Input Set : D:\Sequence Listing.txt

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139 Description of the Artificial Sequence: 5' Splice site

141 <400> SEQUENCE: 10

142 guaagu

145 <210> SEQ ID NO: 11

146 <211> LENGTH: 3

147 <212> TYPE: RNA

148 <213> ORGANISM: Artificial Sequence

150 <220> FEATURE:

151 <223> OTHER INFORMATION: Position 1 A/G Position A/G

152 Description of the Artificial Sequence: 5' Splice site

154 <400> SEQUENCE: 11

155 aag

exonic half of
5' Splice site
(consensus
sequence)

intrinsic half of
5' Splice site
(consensus
sequence)